

Title (en)
IN-SITU LOADED STAPLER

Title (de)
IN-SITU-GELADENES KLAMMERGERÄT

Title (fr)
AGRAFEUSE CHARGÉE IN SITU

Publication
EP 3228258 A1 20171011 (EN)

Application
EP 17162033 A 20150515

Priority
• US 201414279781 A 20140516
• EP 15167796 A 20150515

Abstract (en)
A tool assembly comprising: an anvil assembly a cartridge assembly movably supported in relation to the anvil assembly, the cartridge assembly including a cartridge body defining a tissue contact surface and a plurality of retention slots which open onto the tissue contact surface, the cartridge body defining a plurality of recesses, each of the recesses being associated with one of the plurality of retention slots; a staple magazine positioned within each of the recesses, the staple magazine including a plurality of staples; at least one biasing member supported adjacent each of the recesses, the at least one biasing member being positioned to urge the staple magazine towards a respective one of the retention slots; a plurality of pushers movably supported within the cartridge body between a lower position and a raised position, each of the plurality of pushers being positioned to engage and eject at least one of the staples of the staple magazine from the retention slot; wherein the at least one biasing member is positioned to obstruct movement of the pusher from the lower position to the raised position after the plurality of staples of the staple magazine have been ejected from a respective one of the retention slots.

IPC 8 full level
A61B 17/072 (2006.01)

CPC (source: CN EP US)
A61B 17/00234 (2013.01 - CN); **A61B 17/07207** (2013.01 - CN EP US); **A61B 2017/00017** (2013.01 - CN); **A61B 2017/07228** (2013.01 - EP US); **A61B 2017/07271** (2013.01 - CN EP US); **A61B 2017/07278** (2013.01 - EP US); **A61B 2090/0814** (2016.02 - EP US)

Citation (applicant)
US 8070033 B2 20111206 - MILLIMAN KEITH L [US], et al

Citation (search report)
• [XA] EP 2722009 A2 20140423 - COVIDIEN LP [US]
• [XA] EP 2687163 A1 20140122 - COVIDIEN LP [US]
• [XA] EP 2540231 A2 20130102 - COVIDIEN LP [US]
• [X] US 2011192881 A1 20110811 - BALBIERZ DANIEL J [US], et al
• [A] US 2011245578 A1 20111006 - WAZER DAVID E [US], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2944275 A2 20151118; EP 2944275 A3 20160127; EP 2944275 B1 20170705; AU 2015201691 A1 20151203; AU 2015201691 B2 20191024; CA 2887197 A1 20151116; CN 105078532 A 20151125; CN 105078532 B 20191018; EP 3228258 A1 20171011; EP 3228258 B1 20200422; ES 2635326 T3 20171003; JP 2015217308 A 20151207; US 2015327862 A1 20151119; US 9668734 B2 20170606

DOCDB simple family (application)
EP 15167796 A 20150515; AU 2015201691 A 20150402; CA 2887197 A 20150402; CN 201510246942 A 20150514; EP 17162033 A 20150515; ES 15167796 T 20150515; JP 2015099081 A 20150514; US 201414279781 A 20140516